

AMENDMENT

In accordance with 37 C.F.R. § 1.121, please amend the application as follows.

IN THE CLAIMS:

Please cancel claims 96-105, 107, 122-124, 126, 127, 129, 132-144, and 164-166 without prejudice to prosecution of the subject matter of these claims in future amendments in the present application, or in continuation or divisional applications.

Please amend claims 95 and 106 to read as follows:

95. (Amended) A polynucleotide encoding a chimeric phosphorylation indicator, where the chimeric phosphorylation indicator comprises, in operative linkage, a donor molecule, a phosphorylatable domain, a phosphoaminoacid binding domain, and an acceptor molecule,

wherein said donor molecule comprises ECFP (amino acids 1-227 of SEQ ID NO:6), said phosphorylatable domain comprises EEEAEYMNMAPQS(SEQ ID NO:23), said phosphoaminoacid binding domain comprises a Src homology domain-2, and said acceptor molecule comprises citrine (YFP; SEQ ID NO:10 having Q69M).

106. (Amended) The polynucleotide of claim 95, wherein at least one of the donor and the acceptor comprises a fluorescent protein which comprises a mutation of an amino acid residue corresponding to positions 206, 221, 223, or a combination thereof of SEQ ID NO:6 or 10.